

Assignment

Date _____ Period _____

Evaluate each expression.

1) $\frac{5}{4} - \frac{5}{4}$

2) $\frac{8}{7} - \left(-\frac{3}{4}\right)$

3) $\left(-\frac{1}{2}\right) + \left(-\frac{13}{8}\right)$

4) $(-8) - \frac{6}{5}$

5) $\left(-\frac{5}{6}\right) + \left(-\frac{8}{5}\right)$

6) $\left(-\frac{12}{7}\right) + \left(-\frac{1}{7}\right)$

7) $\left(-1\frac{1}{3}\right) + 3\frac{5}{6}$

8) $\left(-3\frac{5}{6}\right) - 1\frac{5}{6}$

9) $4\frac{3}{4} - \left(-1\frac{1}{6}\right)$

10) $\left(-3\frac{1}{7}\right) + 1\frac{1}{8}$

Write each as a percent. Use repeating decimals when necessary.

11) $\frac{1}{3}$

12) $\frac{1}{10}$

13) $\frac{23}{33}$

14) $\frac{2}{5}$

15) $\frac{1}{8}$

16) $\frac{1}{2}$

Simplify each expression.

17) $(6p^2 + 3p^4) + (p^4 + 4p^2)$

18) $(3r - 6) - (2 - 4r)$

$$19) (3 - 3n) - (4 + 3n)$$

$$20) (5 + 5r) - (5 + 7r)$$

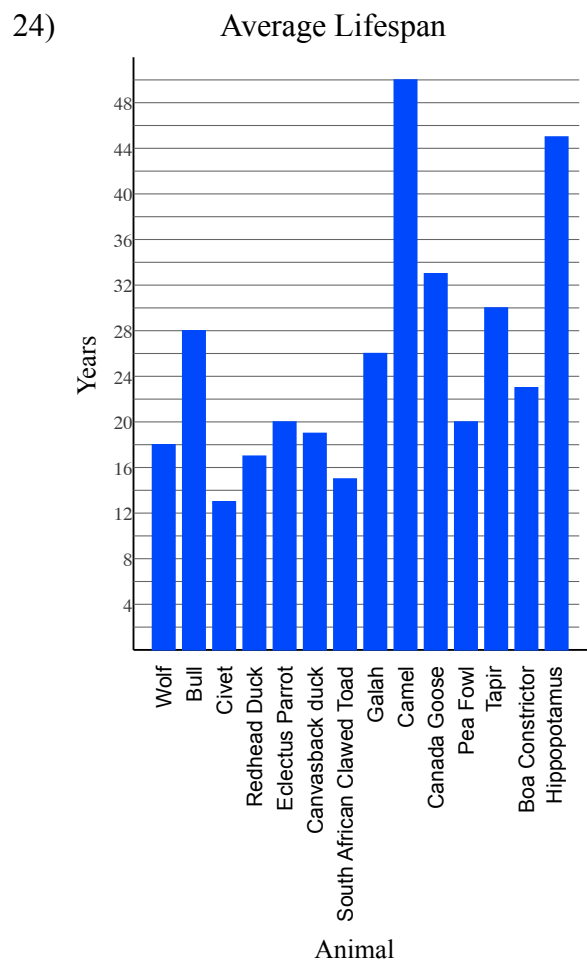
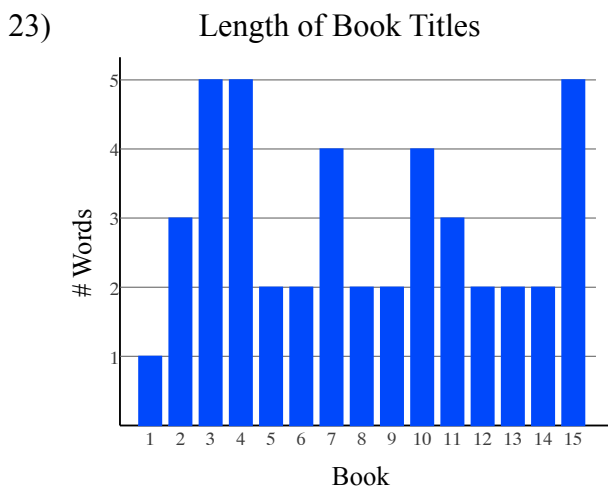
Find the mean for each data set.

21) Car Weights (kg)

1,190	1,505	1,295	1,355	1,380
1,200	965	1,690	1,355	1,790
1,410	920	1,720	1,790	1,045

22) Life Expectancy

State	Years	State	Years
Mississippi	74.2	Louisiana	78.2
Utah	82.2	Hawaii	79.7
Pennsylvania	81.6	Arizona	79.3
South Dakota	74.3	Illinois	81.5
Nevada	81.3	Delaware	77
Minnesota	80.3	Colorado	80.9
Iowa	79.8	Kentucky	74.7
Wisconsin	79.8	California	80.9
New York	82.5		



Assignment

Date _____ Period _____

Evaluate each expression.

1) $\frac{5}{4} - \frac{5}{4}$

 0

2) $\frac{8}{7} - \left(-\frac{3}{4}\right)$

 $\frac{53}{28}$

3) $\left(-\frac{1}{2}\right) + \left(-\frac{13}{8}\right)$

 $-\frac{17}{8}$

4) $(-8) - \frac{6}{5}$

 $-\frac{46}{5}$

5) $\left(-\frac{5}{6}\right) + \left(-\frac{8}{5}\right)$

 $-\frac{73}{30}$

6) $\left(-\frac{12}{7}\right) + \left(-\frac{1}{7}\right)$

 $-\frac{13}{7}$

7) $\left(-1\frac{1}{3}\right) + 3\frac{5}{6}$

 $2\frac{1}{2}$

8) $\left(-3\frac{5}{6}\right) - 1\frac{5}{6}$

 $-5\frac{2}{3}$

9) $4\frac{3}{4} - \left(-1\frac{1}{6}\right)$

 $5\frac{11}{12}$

10) $\left(-3\frac{1}{7}\right) + 1\frac{1}{8}$

 $-2\frac{1}{56}$ **Write each as a percent. Use repeating decimals when necessary.**

11) $\frac{1}{3}$

 $33.\overline{3}\%$

12) $\frac{1}{10}$

 10%

13) $\frac{23}{33}$

 $69.\overline{69}\%$

14) $\frac{2}{5}$

 40%

15) $\frac{1}{8}$

 12.5%

16) $\frac{1}{2}$

 50% **Simplify each expression.**

17) $(6p^2 + 3p^4) + (p^4 + 4p^2)$

 $4p^4 + 10p^2$

18) $(3r - 6) - (2 - 4r)$

 $7r - 8$

$$19) (3 - 3n) - (4 + 3n)$$

$$-6n - 1$$

$$20) (5 + 5r) - (5 + 7r)$$

$$-2r$$

Find the mean for each data set.

21) Car Weights (kg)

1,190	1,505	1,295	1,355	1,380
1,200	965	1,690	1,355	1,790
1,410	920	1,720	1,790	1,045

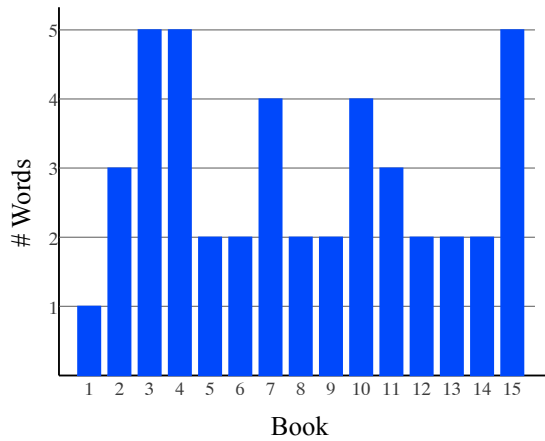
$$1,374$$

22) Life Expectancy

State	Years	State	Years
Mississippi	74.2	Louisiana	78.2
Utah	82.2	Hawaii	79.7
Pennsylvania	81.6	Arizona	79.3
South Dakota	74.3	Illinois	81.5
Nevada	81.3	Delaware	77
Minnesota	80.3	Colorado	80.9
Iowa	79.8	Kentucky	74.7
Wisconsin	79.8	California	80.9
New York	82.5		

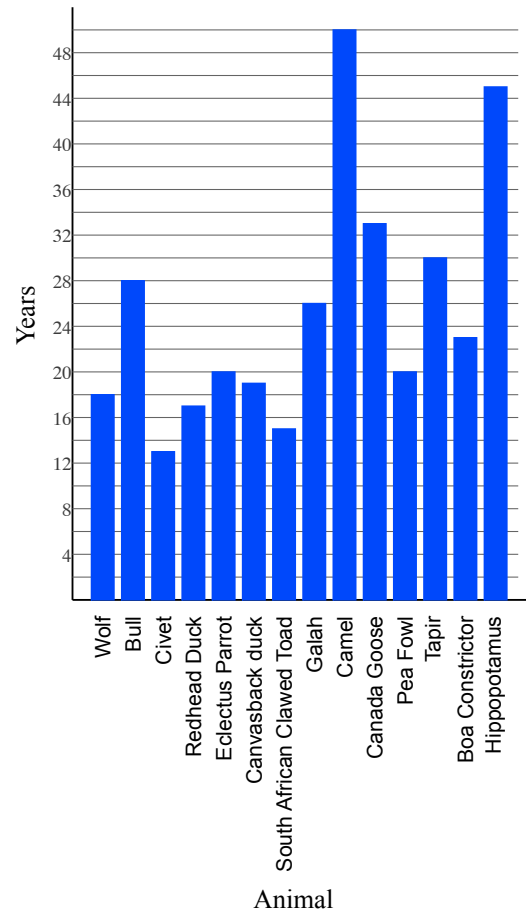
$$79.31$$

23) Length of Book Titles



$$2.93$$

24) Average Lifespan



$$25.5$$